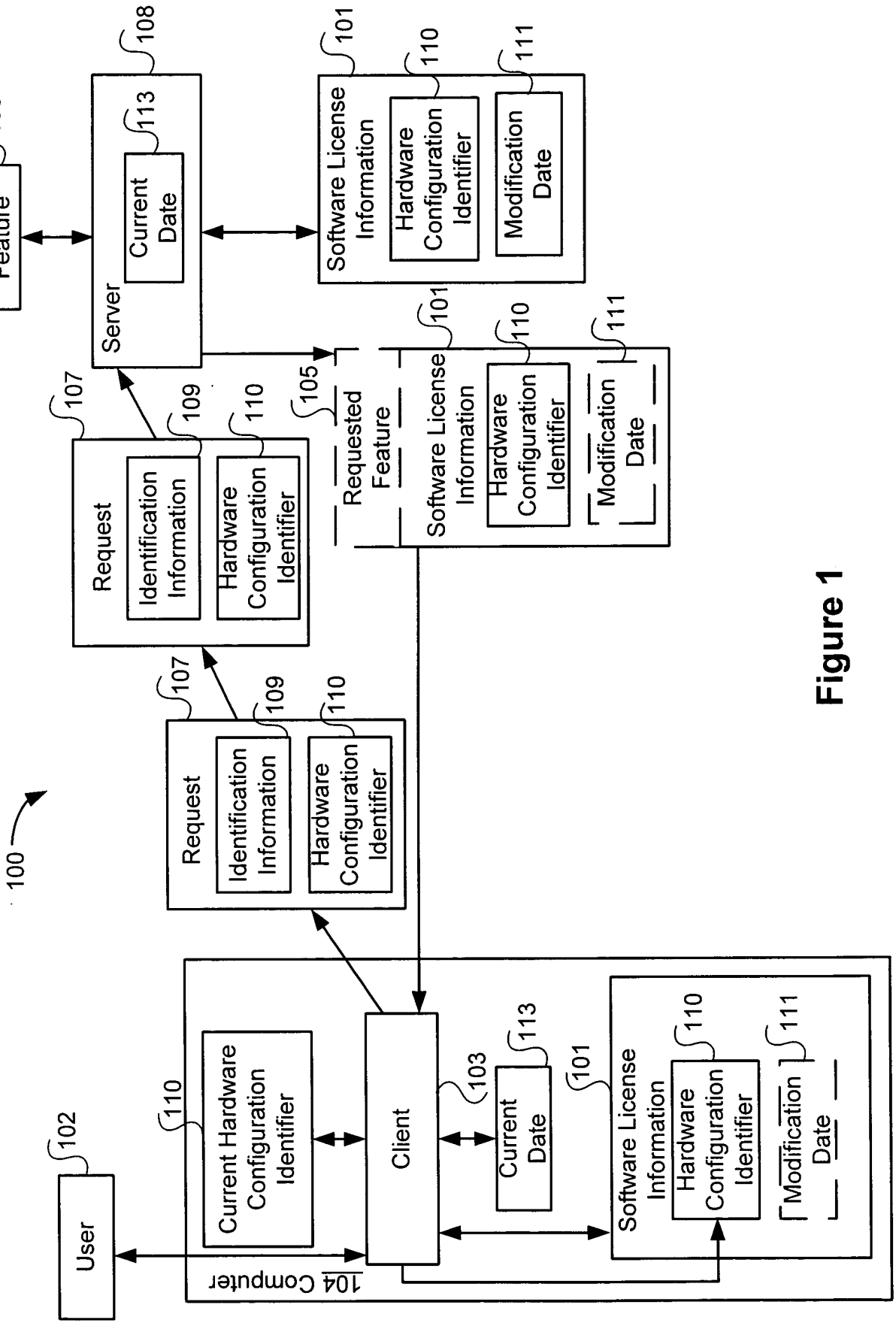
100
User
102
104 Computer
Current Hardware Configuration Identifier
110
Client
103
Current Date
113
Software License Information
101
Hardware Configuration Identifier
110
Modification Date
111
Request
107
Identification Information
109
Hardware Configuration Identifier
110
Request
107
Identification Information
109
Hardware Configuration Identifier
110
Requested Feature
105
Software License Information
101
Hardware Configuration Identifier
110
Modification Date
111
Server
108
Current Date
113
Feature
105
Software License Information
101
Hardware Configuration Identifier
110
Modification Date
111

Figure 1

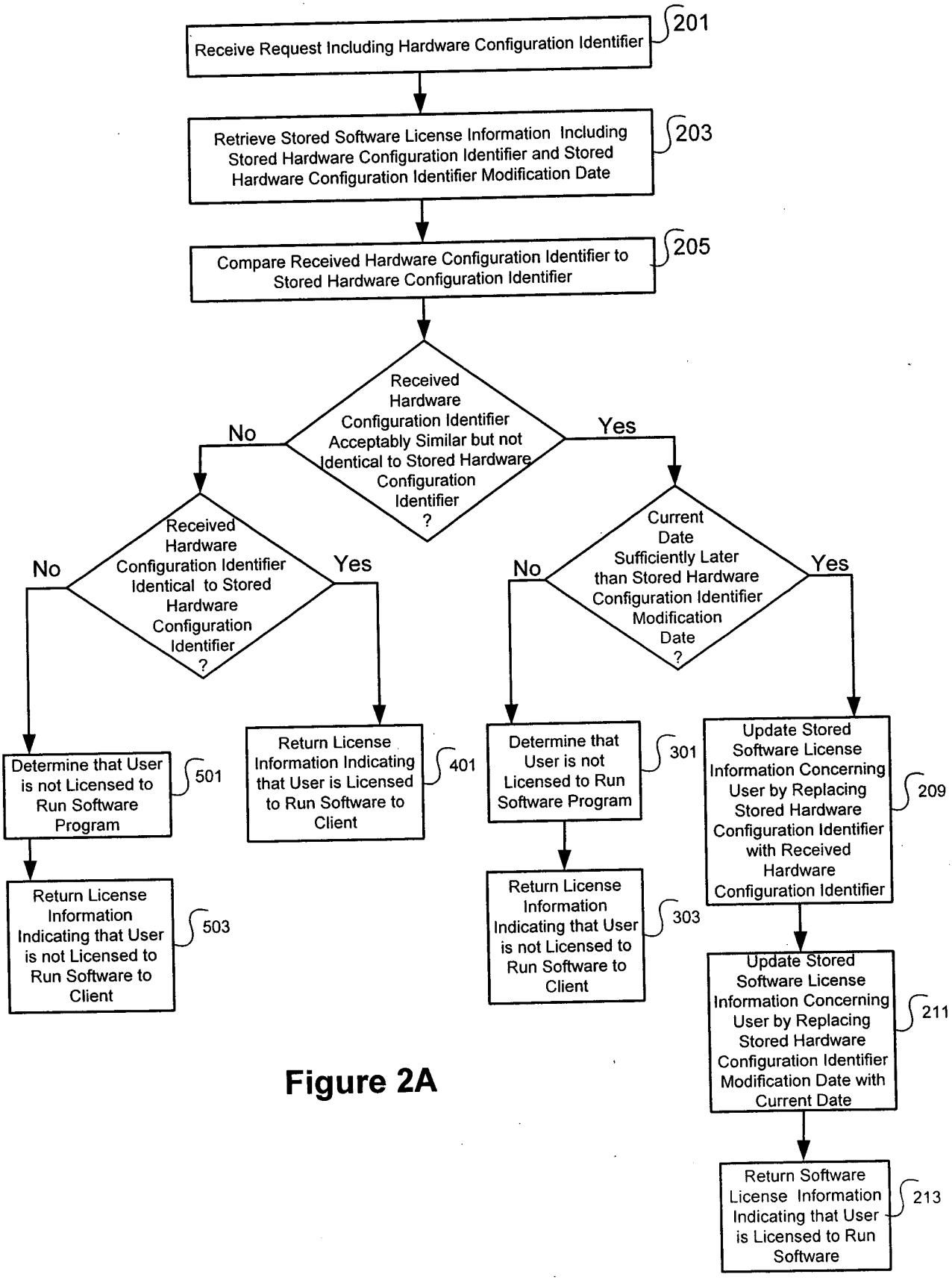
Receive Request Including Hardware Configuration Identifier
201
Retrieve Stored Software License Information Including Stored Hardware Configuration Identifier and Stored Hardware Configuration Identifier Modification Date
203
Compare Received Hardware Configuration Identifier to Stored Hardware Configuration Identifier
205
Received Hardware Configuration Identifier Acceptably Similar but not Identical to Stored Hardware Configuration Identifier ?
No
Yes
Received Hardware Configuration Identifier Identical to Stored Hardware Configuration Identifier ?
No
Yes
Current Date Sufficiently Later than Stored Hardware Configuration Identifier Modification Date ?
No
Yes
Determine that User is not Licensed to Run Software Program
501
Return License Information Indicating that User is not Licensed to Run Software to Client
503
Return License Information Indicating that User is Licensed to Run Software to Client
401
Determine that User is not Licensed to Run Software Program
301
Return License Information Indicating that User is not Licensed to Run Software to Client
303
Update Stored Software License Information Concerning User by Replacing Stored Hardware Configuration Identifier with Received Hardware Configuration Identifier
209
Update Stored Software License Information Concerning User by Replacing Stored Hardware Configuration Identifier Modification Date with Current Date
211
Return Software License Information Indicating that User is Licensed to Run Software
213

Figure 2A

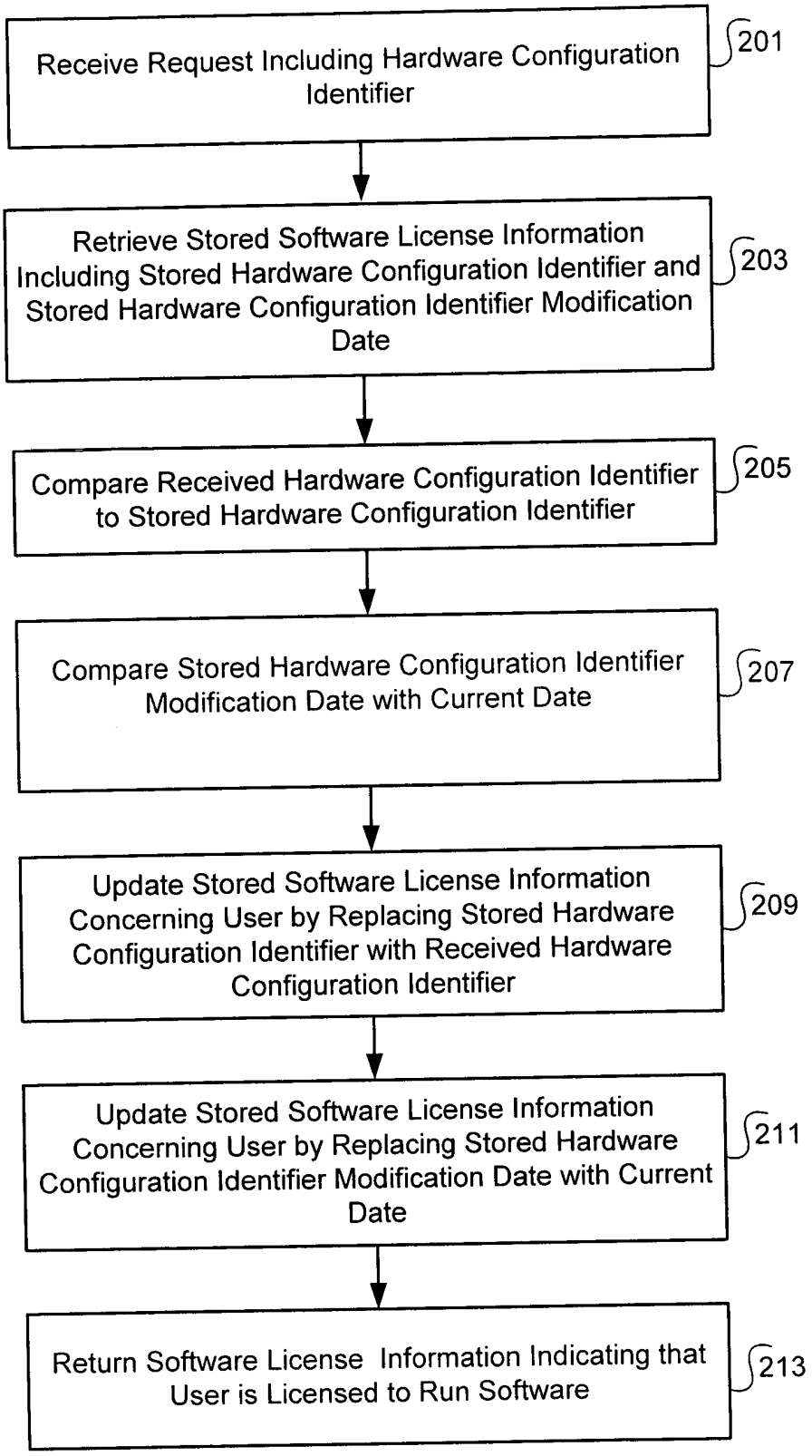
Receive Request Including Hardware Configuration Identifier
201
Retrieve Stored Software License Information Including Stored Hardware Configuration Identifier and Stored Hardware Configuration Identifier Modification Date
203
Compare Received Hardware Configuration Identifier to Stored Hardware Configuration Identifier
205
Compare Stored Hardware Configuration Identifier Modification Date with Current Date
207
Update Stored Software License Information Concerning User by Replacing Stored Hardware Configuration Identifier with Received Hardware Configuration Identifier
209
Update Stored Software License Information Concerning User by Replacing Stored Hardware Configuration Identifier Modification Date with Current Date
211
Return Software License Information Indicating that User is Licensed to Run Software
213

Figure 2B

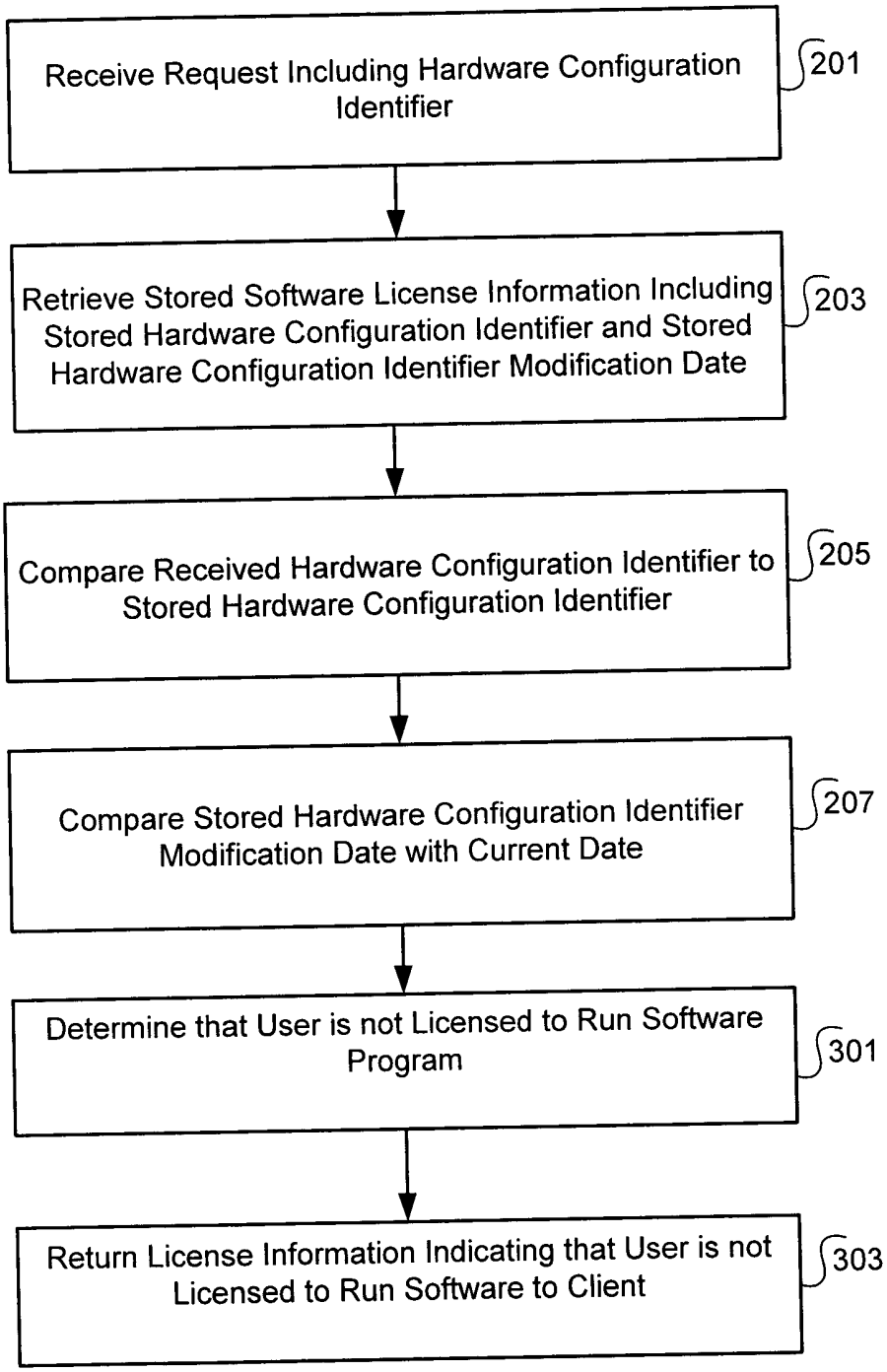
Receive Request Including Hardware Configuration Identifier
201
Retrieve Stored Software License Information Including Stored Hardware Configuration Identifier and Stored Hardware Configuration Identifier Modification Date
203
Compare Received Hardware Configuration Identifier to Stored Hardware Configuration Identifier
205
Compare Stored Hardware Configuration Identifier Modification Date with Current Date
207
Determine that User is not Licensed to Run Software Program
301
Return License Information Indicating that User is not Licensed to Run Software to Client
303

Figure 3

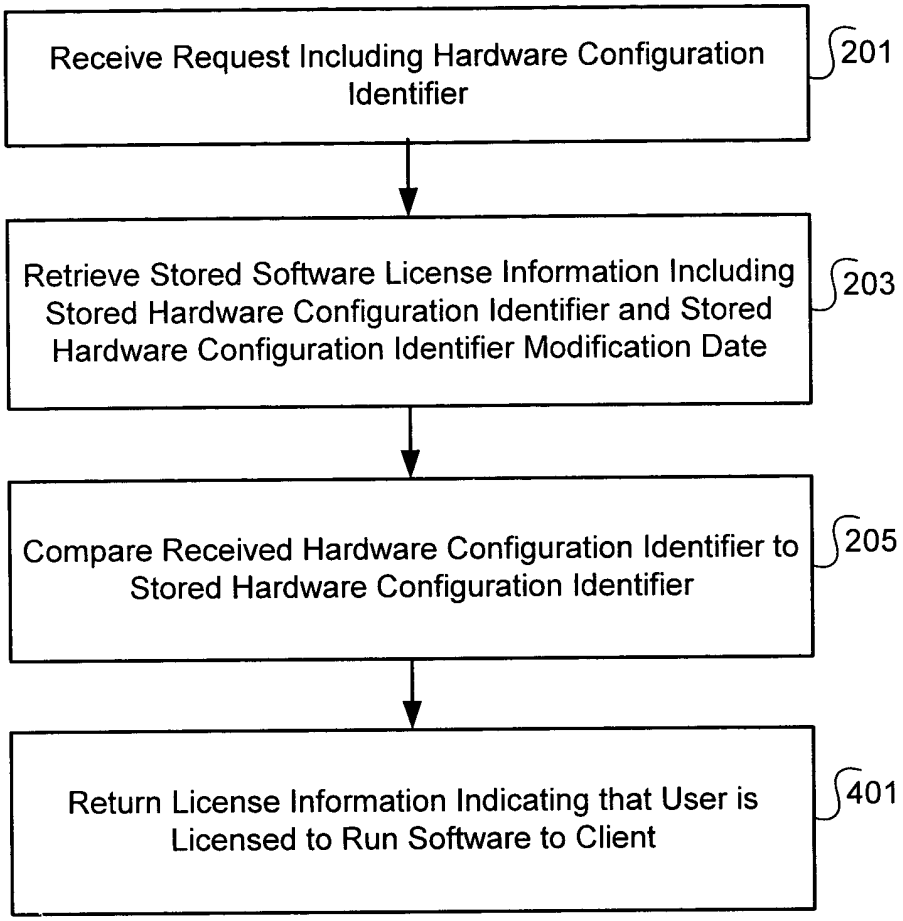
Receive Request Including Hardware Configuration Identifier
201
Retrieve Stored Software License Information Including Stored Hardware Configuration Identifier and Stored Hardware Configuration Identifier Modification Date
203
Compare Received Hardware Configuration Identifier to Stored Hardware Configuration Identifier
205
Return License Information Indicating that User is Licensed to Run Software to Client
401

Figure 4

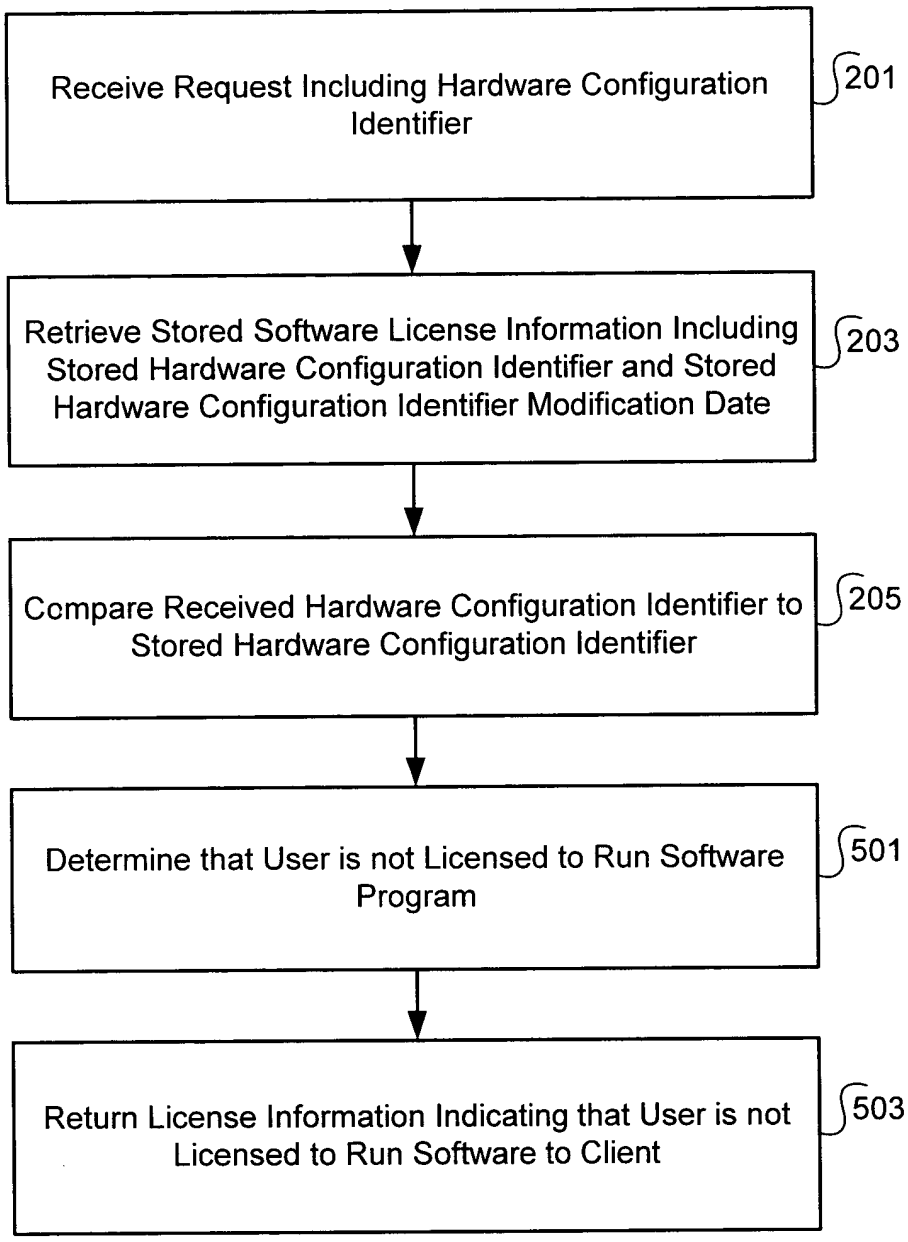
Receive Request Including Hardware Configuration Identifier
201
Retrieve Stored Software License Information Including Stored Hardware Configuration Identifier and Stored Hardware Configuration Identifier Modification Date
203
Compare Received Hardware Configuration Identifier to Stored Hardware Configuration Identifier
205
Determine that User is not Licensed to Run Software Program
501
Return License Information Indicating that User is not Licensed to Run Software to Client
503

Figure 5

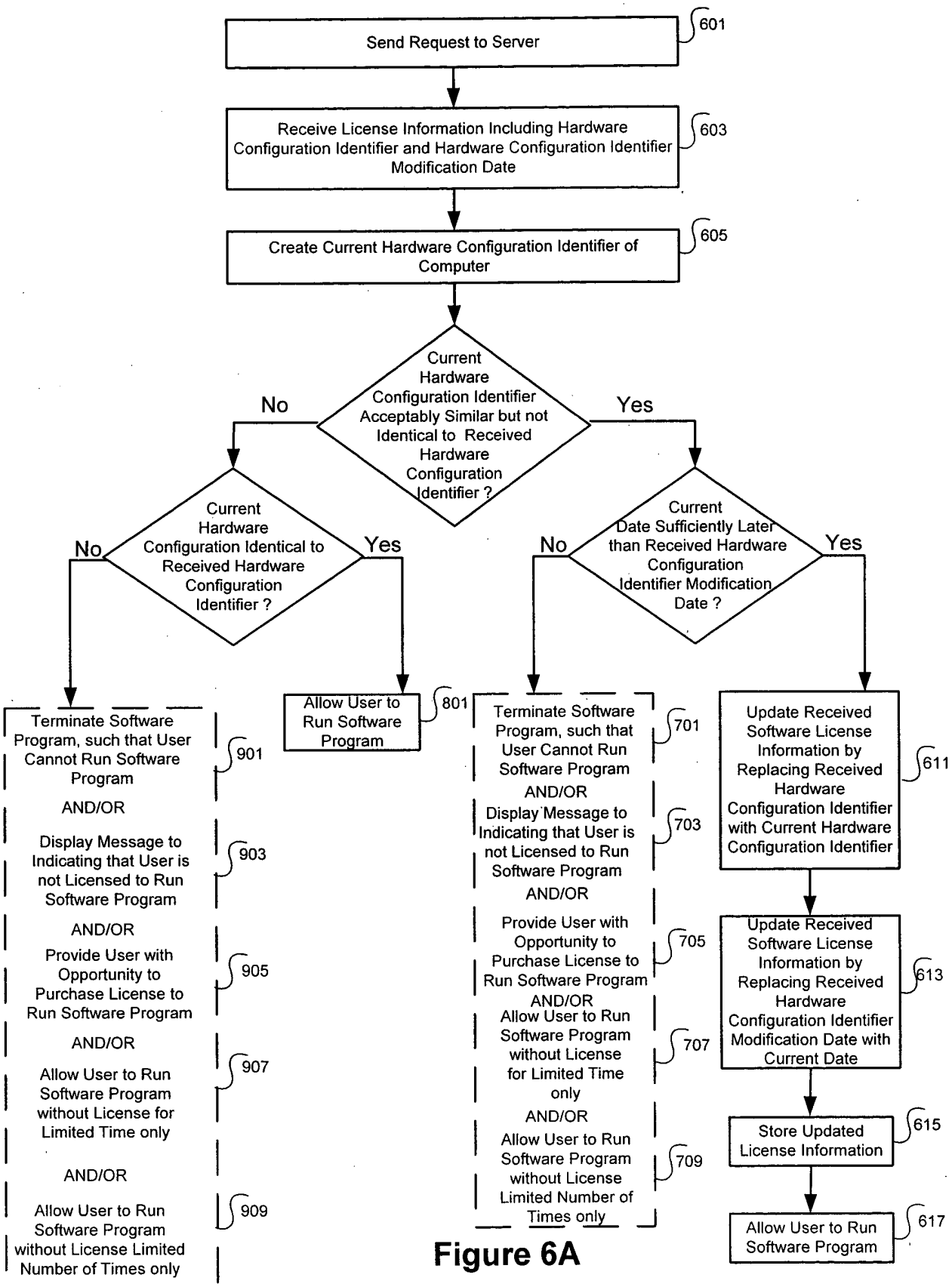
Send Request to Server
601
Receive License Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
603
Create Current Hardware Configuration Identifier of Computer
605
Current Hardware Configuration Identifier Acceptably Similar but not Identical to Received Hardware Configuration Identifier ?
No
Yes
Current Hardware Configuration Identical to Received Hardware Configuration Identifier ?
No
Yes
Current Date Sufficiently Later than Received Hardware Configuration Identifier Modification Date ?
No
Yes
Allow User to Run Software Program
801
Terminate Software Program, such that User Cannot Run Software Program
901
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
903
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
905
AND/OR
Allow User to Run Software Program without License for Limited Time only
907
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
909
Terminate Software Program, such that User Cannot Run Software Program
701
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
703
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
705
AND/OR
Allow User to Run Software Program without License for Limited Time only
707
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
709
Update Received Software License Information by Replacing Received Hardware Configuration Identifier with Current Hardware Configuration Identifier
611
Update Received Software License Information by Replacing Received Hardware Configuration Identifier Modification Date with Current Date
613
Store Updated License Information
615
Allow User to Run Software Program
617

Figure 6A

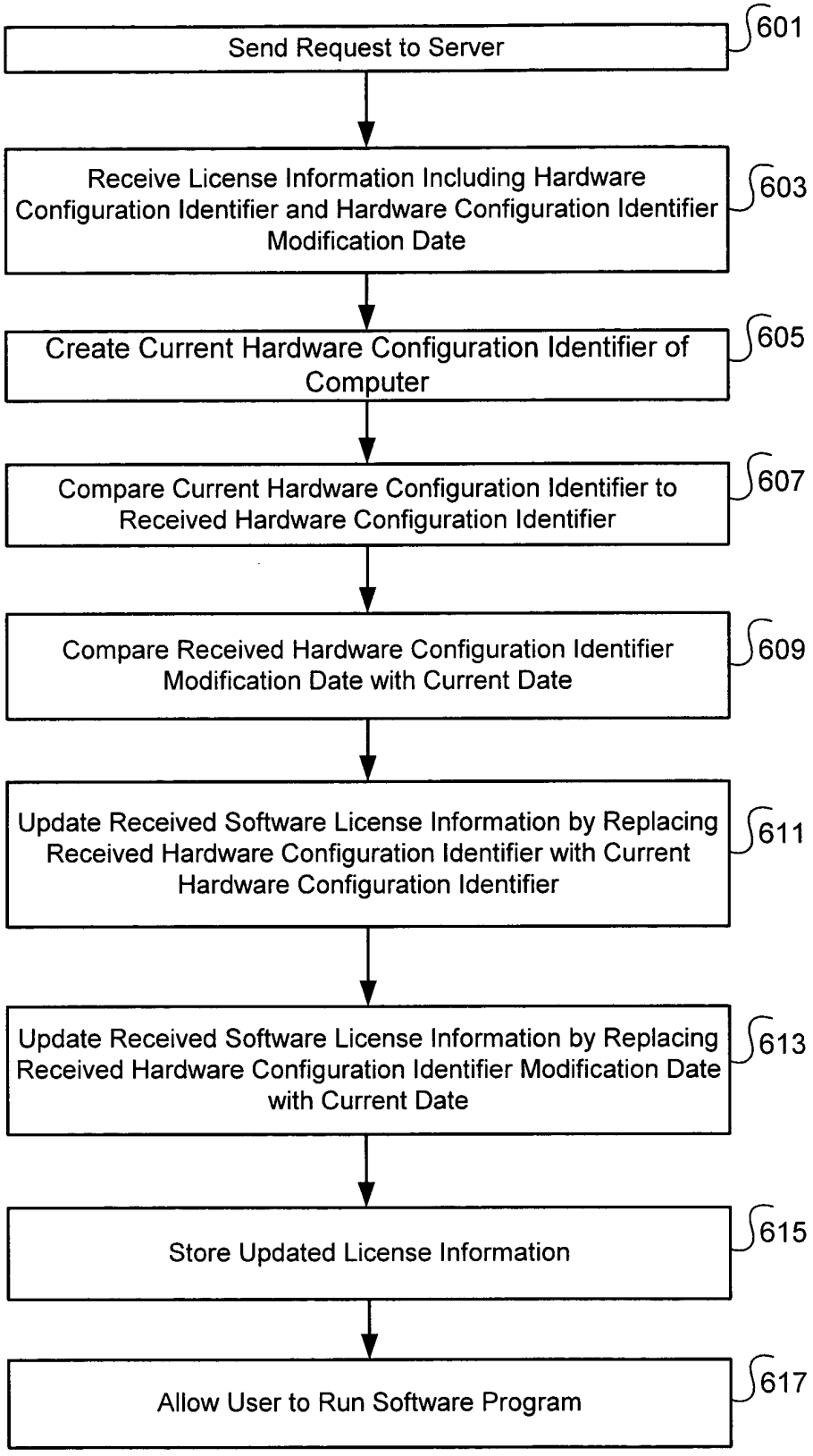
Send Request to Server
601
Receive License Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
603
Create Current Hardware Configuration Identifier of Computer
605
Compare Current Hardware Configuration Identifier to Received Hardware Configuration Identifier
607
Compare Received Hardware Configuration Identifier Modification Date with Current Date
609
Update Received Software License Information by Replacing Received Hardware Configuration Identifier with Current Hardware Configuration Identifier
611
Update Received Software License Information by Replacing Received Hardware Configuration Identifier Modification Date with Current Date
613
Store Updated License Information
615
Allow User to Run Software Program
617

Figure 6B

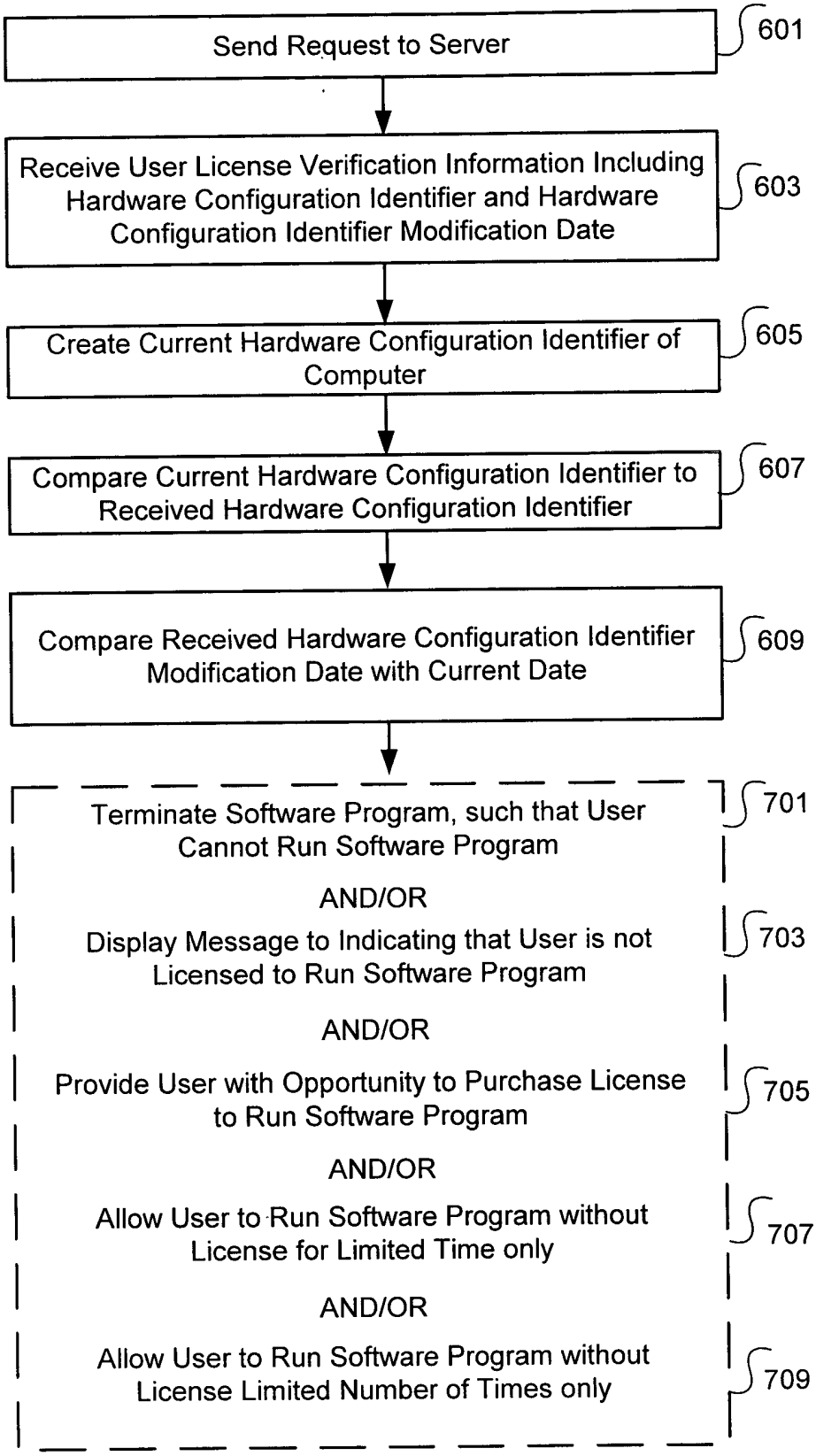
Send Request to Server
601
Receive User License Verification Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
603
Create Current Hardware Configuration Identifier of Computer
605
Compare Current Hardware Configuration Identifier to Received Hardware Configuration Identifier
607
Compare Received Hardware Configuration Identifier Modification Date with Current Date
609
Terminate Software Program, such that User Cannot Run Software Program
701
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
703
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
705
AND/OR
Allow User to Run Software Program without License for Limited Time only
707
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
709

Figure 7

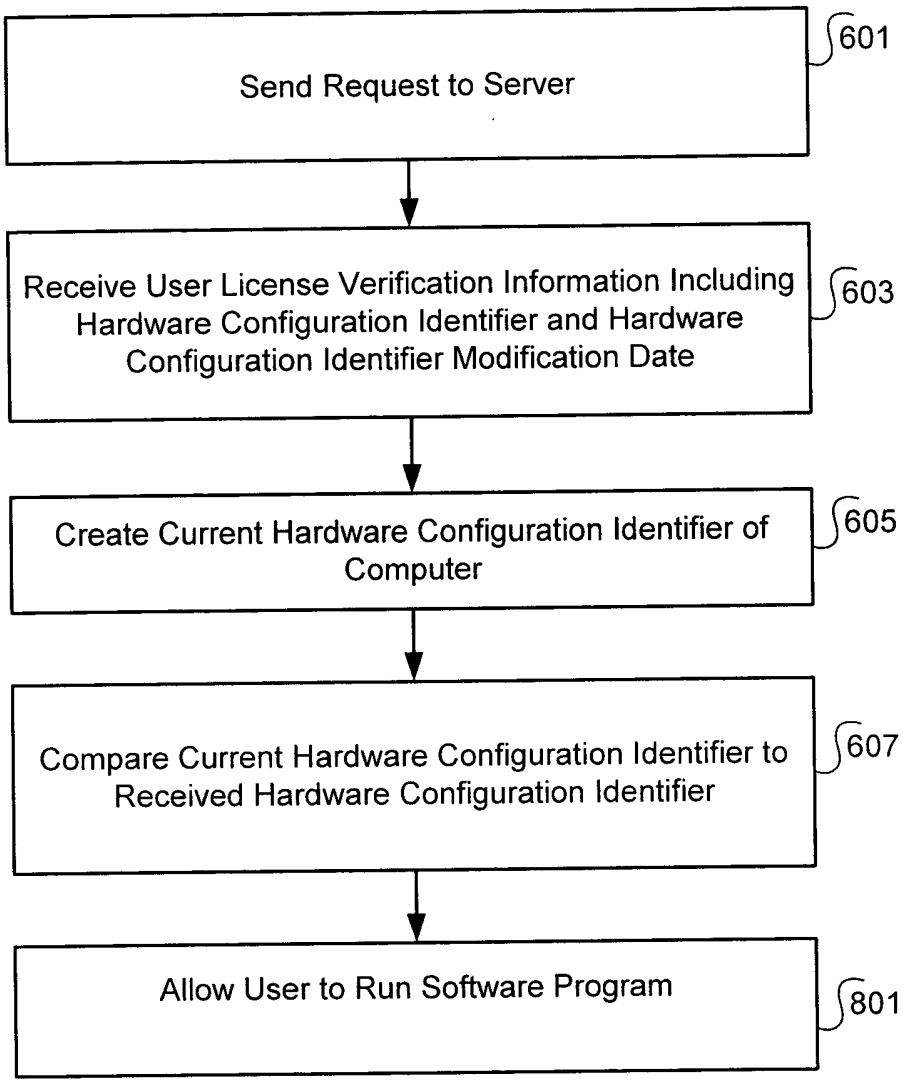
Send Request to Server
601
Receive User License Verification Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
603
Create Current Hardware Configuration Identifier of Computer
605
Compare Current Hardware Configuration Identifier to Received Hardware Configuration Identifier
607
Allow User to Run Software Program
801

Figure 8

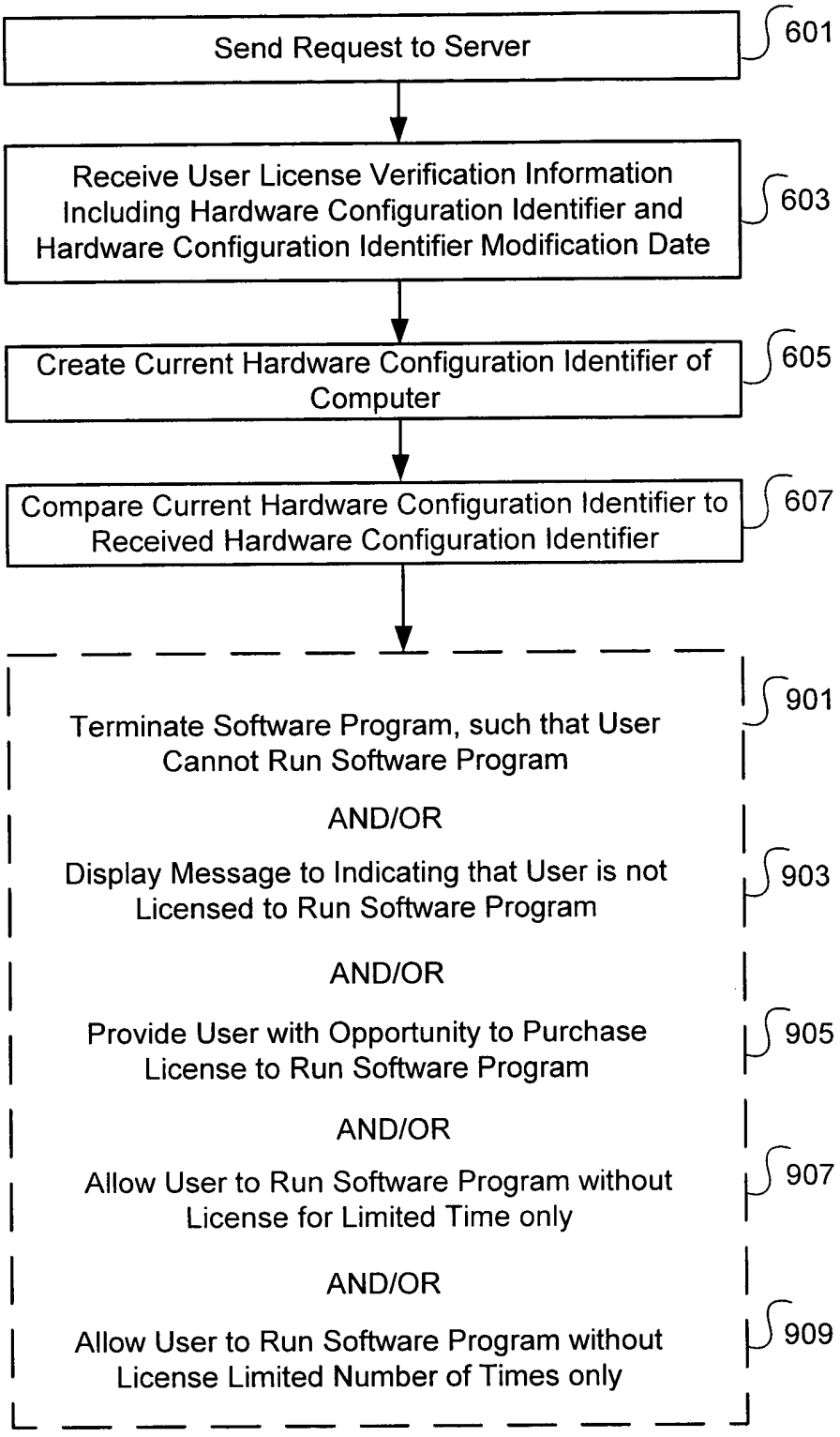
Send Request to Server
601
Receive User License Verification Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
603
Create Current Hardware Configuration Identifier of Computer
605
Compare Current Hardware Configuration Identifier to Received Hardware Configuration Identifier
607
Terminate Software Program, such that User Cannot Run Software Program
901
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
903
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
905
AND/OR
Allow User to Run Software Program without License for Limited Time only
907
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
909

Figure 9

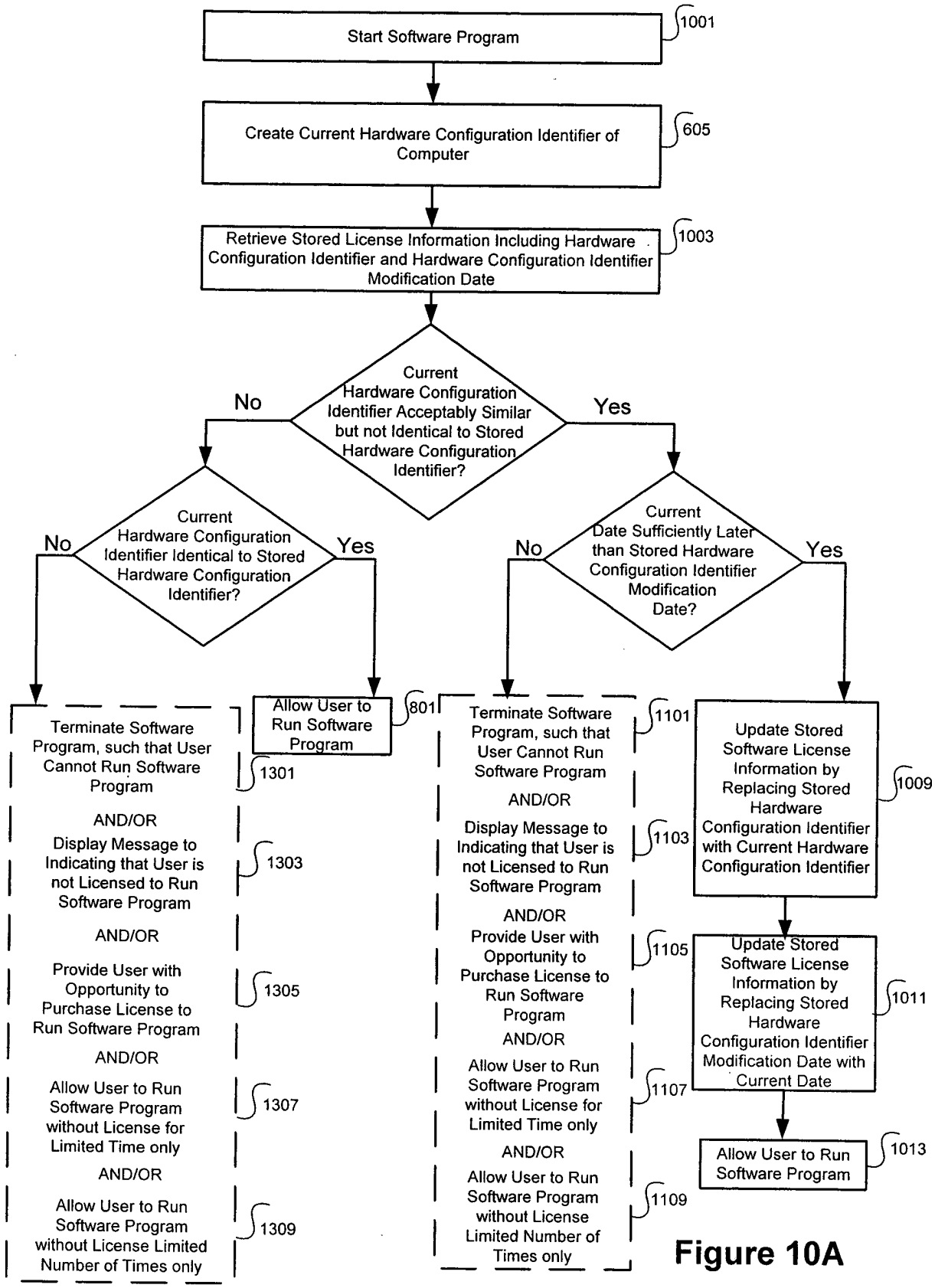
Start Software Program
1001
Create Current Hardware Configuration Identifier of Computer
605
Retrieve Stored License Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
1003
Current Hardware Configuration Identifier Acceptably Similar but not Identical to Stored Hardware Configuration Identifier?
No
Yes
Current Hardware Configuration Identifier Identical to Stored Hardware Configuration Identifier?
No
Yes
Current Date Sufficiently Later than Stored Hardware Configuration Identifier Modification Date?
No
Yes
Allow User to Run Software Program
801
Terminate Software Program, such that User Cannot Run Software Program
1301
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
1303
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
1305
AND/OR
Allow User to Run Software Program without License for Limited Time only
1307
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
1309
Terminate Software Program, such that User Cannot Run Software Program
1101
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
1103
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
1105
AND/OR
Allow User to Run Software Program without License for Limited Time only
1107
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
1109
Update Stored Software License Information by Replacing Stored Hardware Configuration Identifier with Current Hardware Configuration Identifier
1009
Update Stored Software License Information by Replacing Stored Hardware Configuration Identifier Modification Date with Current Date
1011
Allow User to Run Software Program
1013

Figure 10A

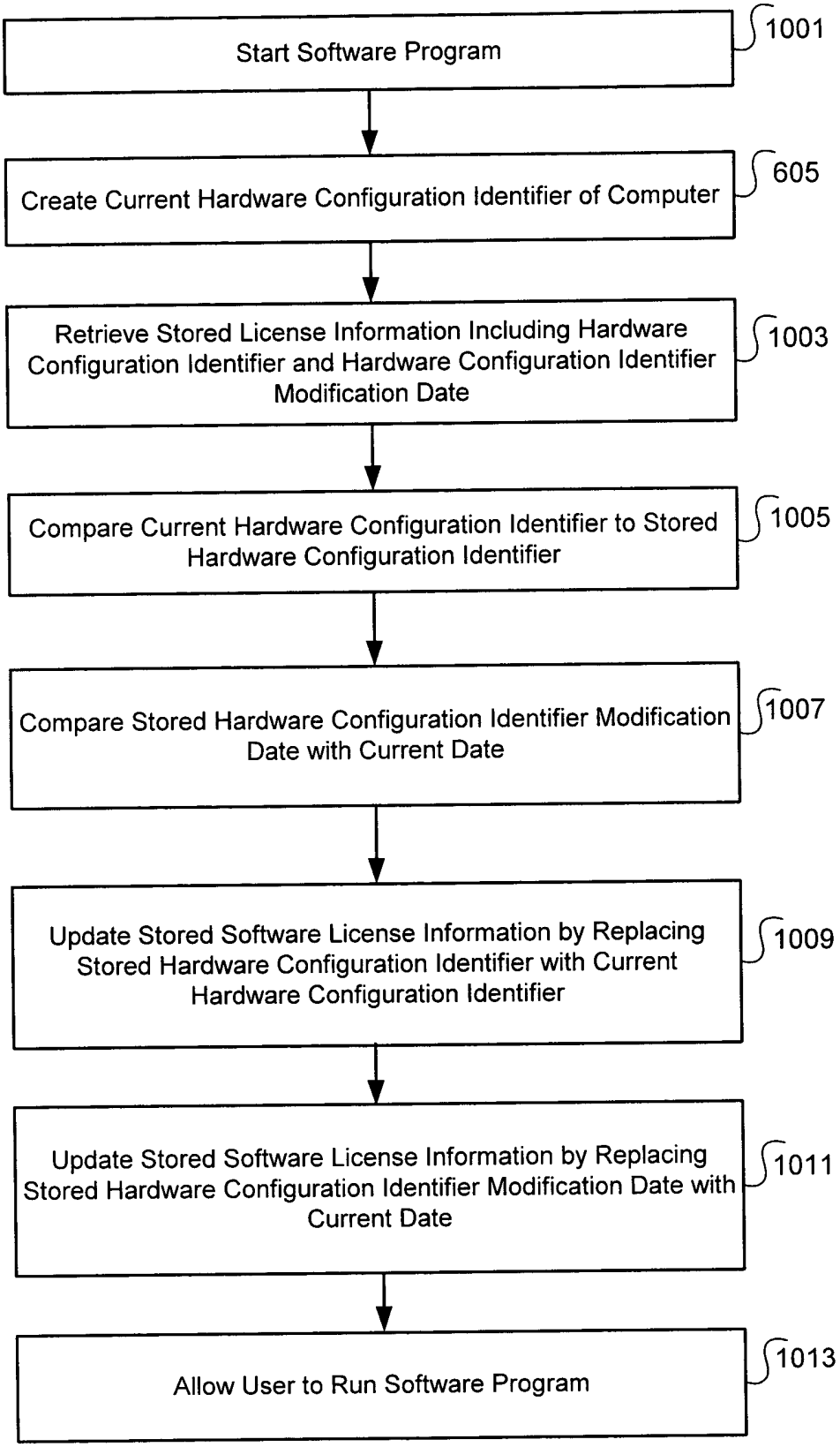
Start Software Program
1001
Create Current Hardware Configuration Identifier of Computer
605
Retrieve Stored License Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
1003
Compare Current Hardware Configuration Identifier to Stored Hardware Configuration Identifier
1005
Compare Stored Hardware Configuration Identifier Modification Date with Current Date
1007
Update Stored Software License Information by Replacing Stored Hardware Configuration Identifier with Current Hardware Configuration Identifier
1009
Update Stored Software License Information by Replacing Stored Hardware Configuration Identifier Modification Date with Current Date
1011
Allow User to Run Software Program
1013

Figure 10B

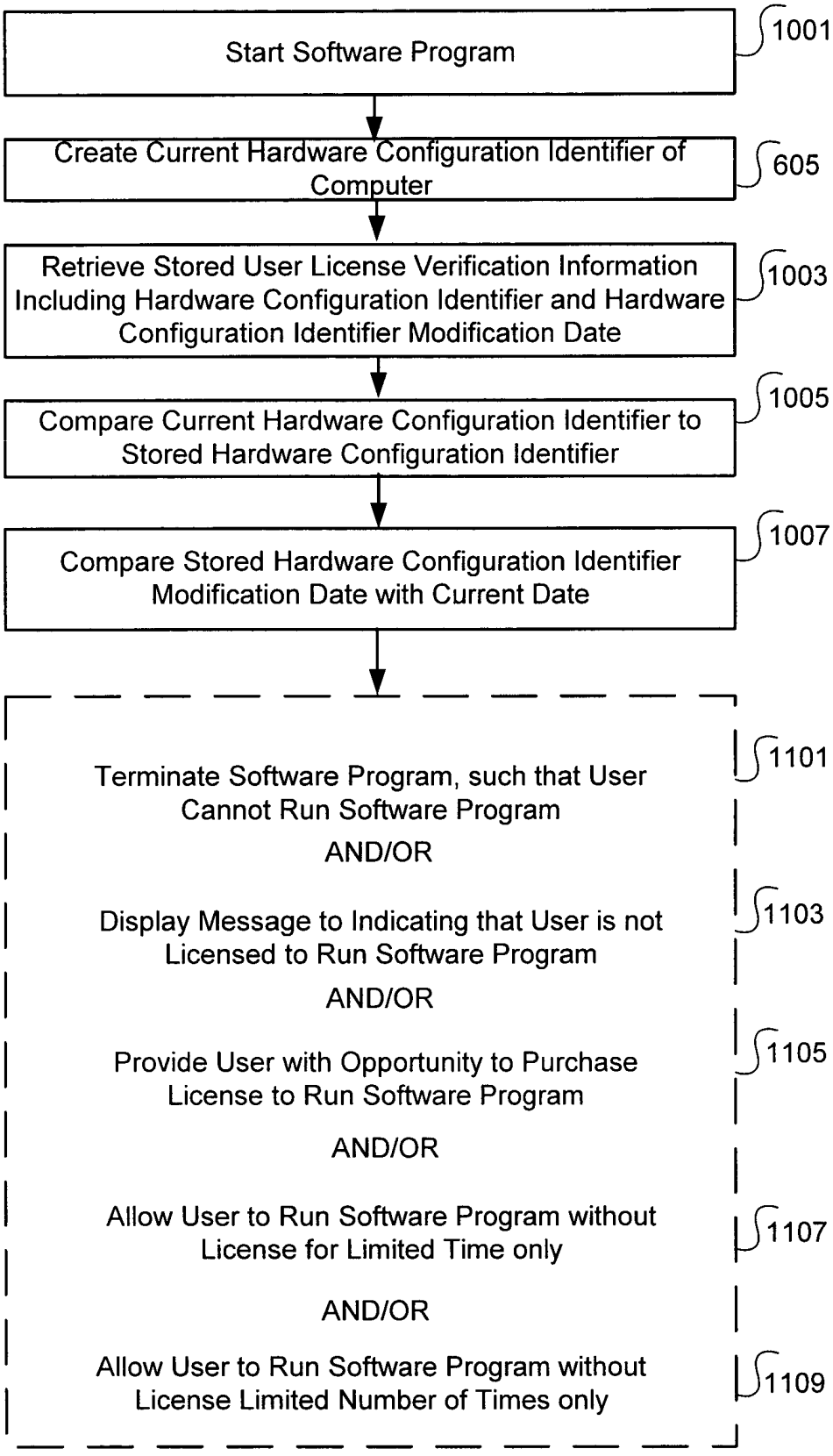
Start Software Program
1001
Create Current Hardware Configuration Identifier of Computer
605
Retrieve Stored User License Verification Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
1003
Compare Current Hardware Configuration Identifier to Stored Hardware Configuration Identifier
1005
Compare Stored Hardware Configuration Identifier Modification Date with Current Date
1007
Terminate Software Program, such that User Cannot Run Software Program
1101
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
1103
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
1105
AND/OR
Allow User to Run Software Program without License for Limited Time only
1107
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
1109

Figure 11

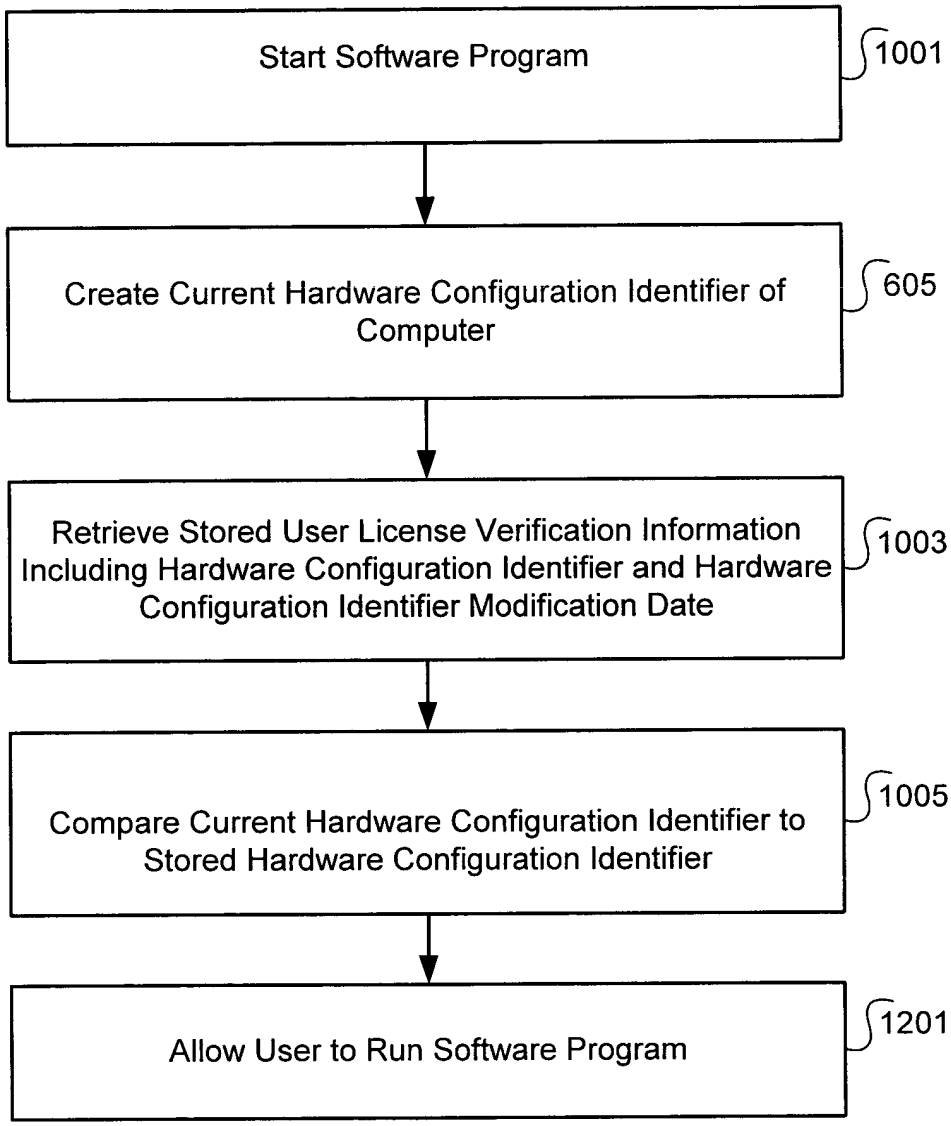
Start Software Program
1001
Create Current Hardware Configuration Identifier of Computer
605
Retrieve Stored User License Verification Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
1003
Compare Current Hardware Configuration Identifier to Stored Hardware Configuration Identifier
1005
Allow User to Run Software Program
1201

Figure 12

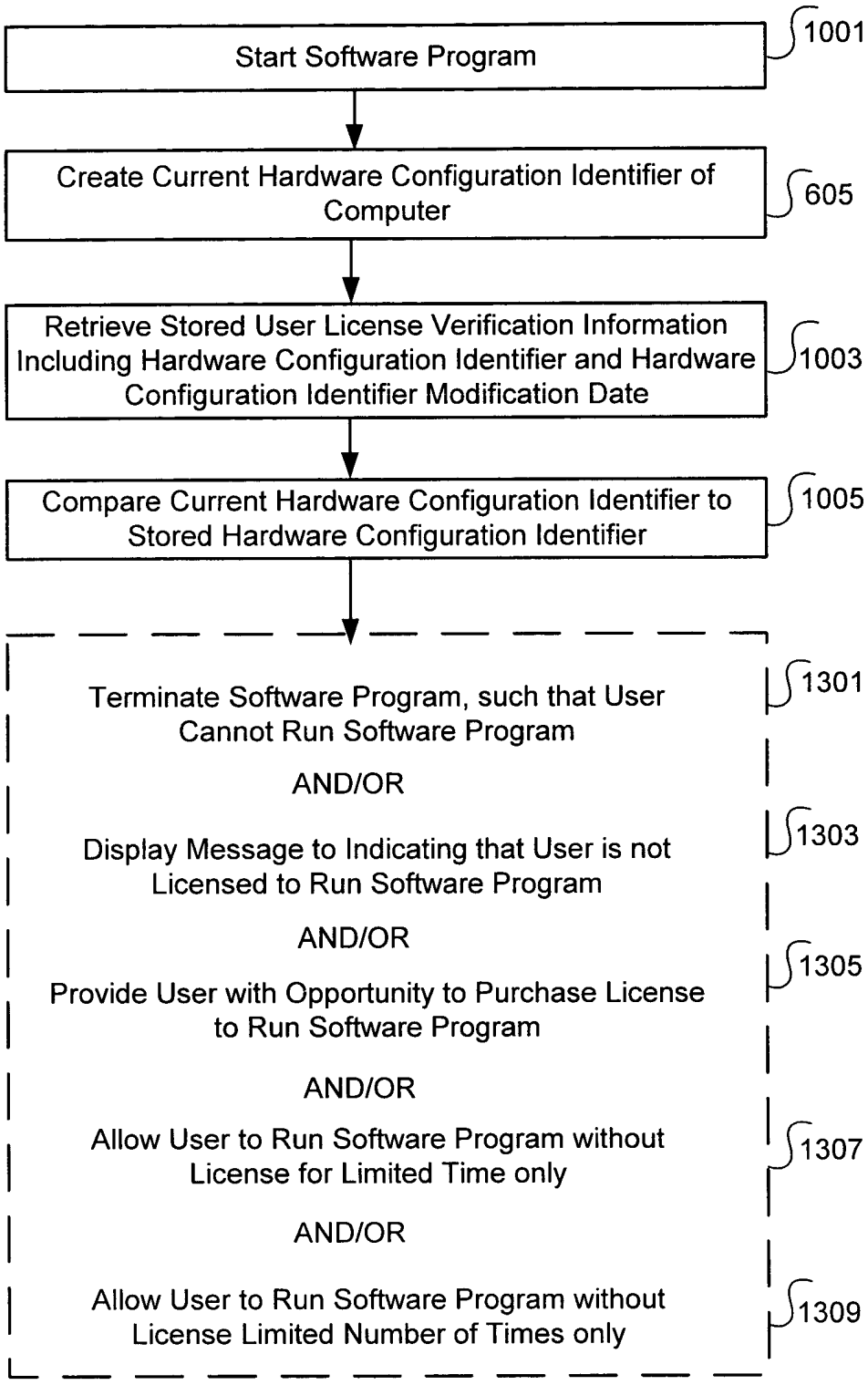
Start Software Program
1001
Create Current Hardware Configuration Identifier of Computer
605
Retrieve Stored User License Verification Information Including Hardware Configuration Identifier and Hardware Configuration Identifier Modification Date
1003
Compare Current Hardware Configuration Identifier to Stored Hardware Configuration Identifier
1005
Terminate Software Program, such that User Cannot Run Software Program
1301
AND/OR
Display Message to Indicating that User is not Licensed to Run Software Program
1303
AND/OR
Provide User with Opportunity to Purchase License to Run Software Program
1305
AND/OR
Allow User to Run Software Program without License for Limited Time only
1307
AND/OR
Allow User to Run Software Program without License Limited Number of Times only
1309

Figure 13